

0965065-102500

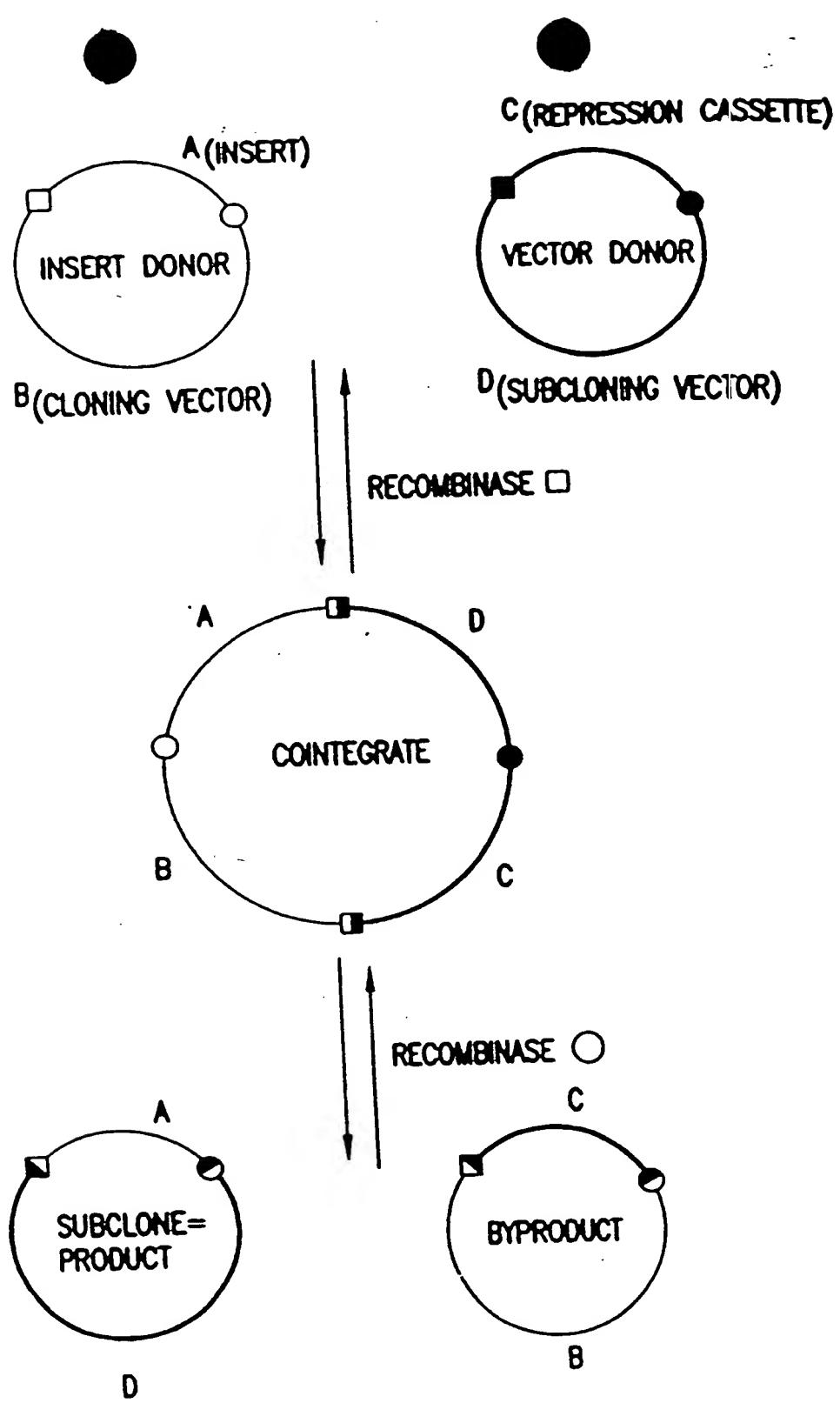
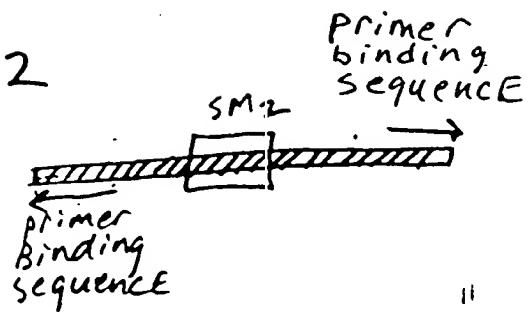
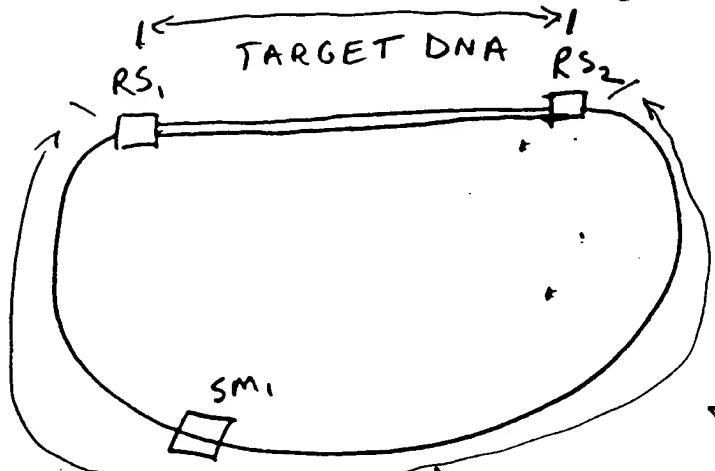
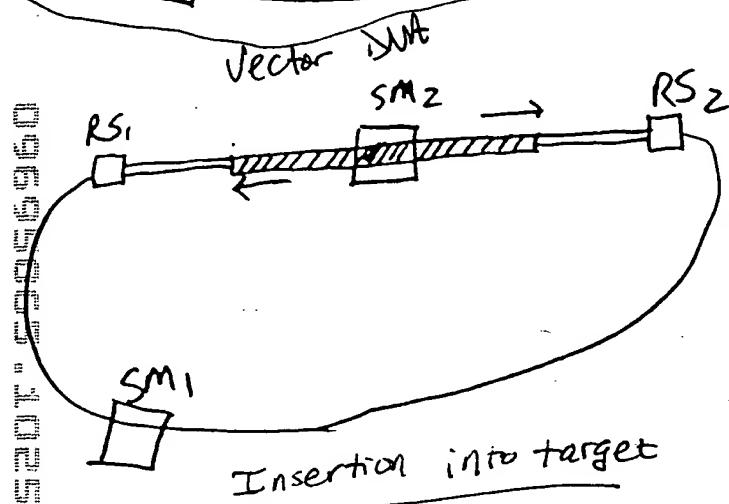


FIG.1

FIGURE 2



insertion-catalyzing enzyme



and

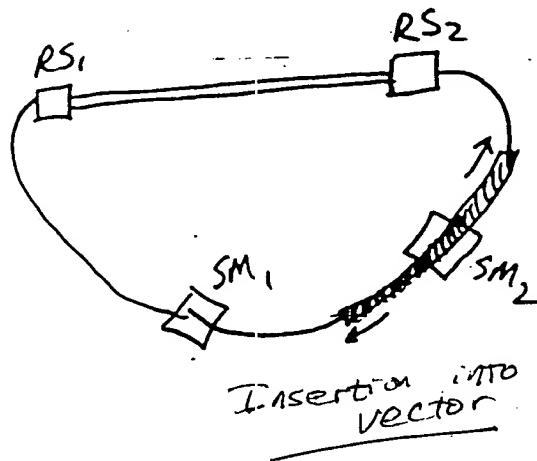


Diagram 2 of Figure 2

Insertion into target

Insertion into vector

FIGURE 3

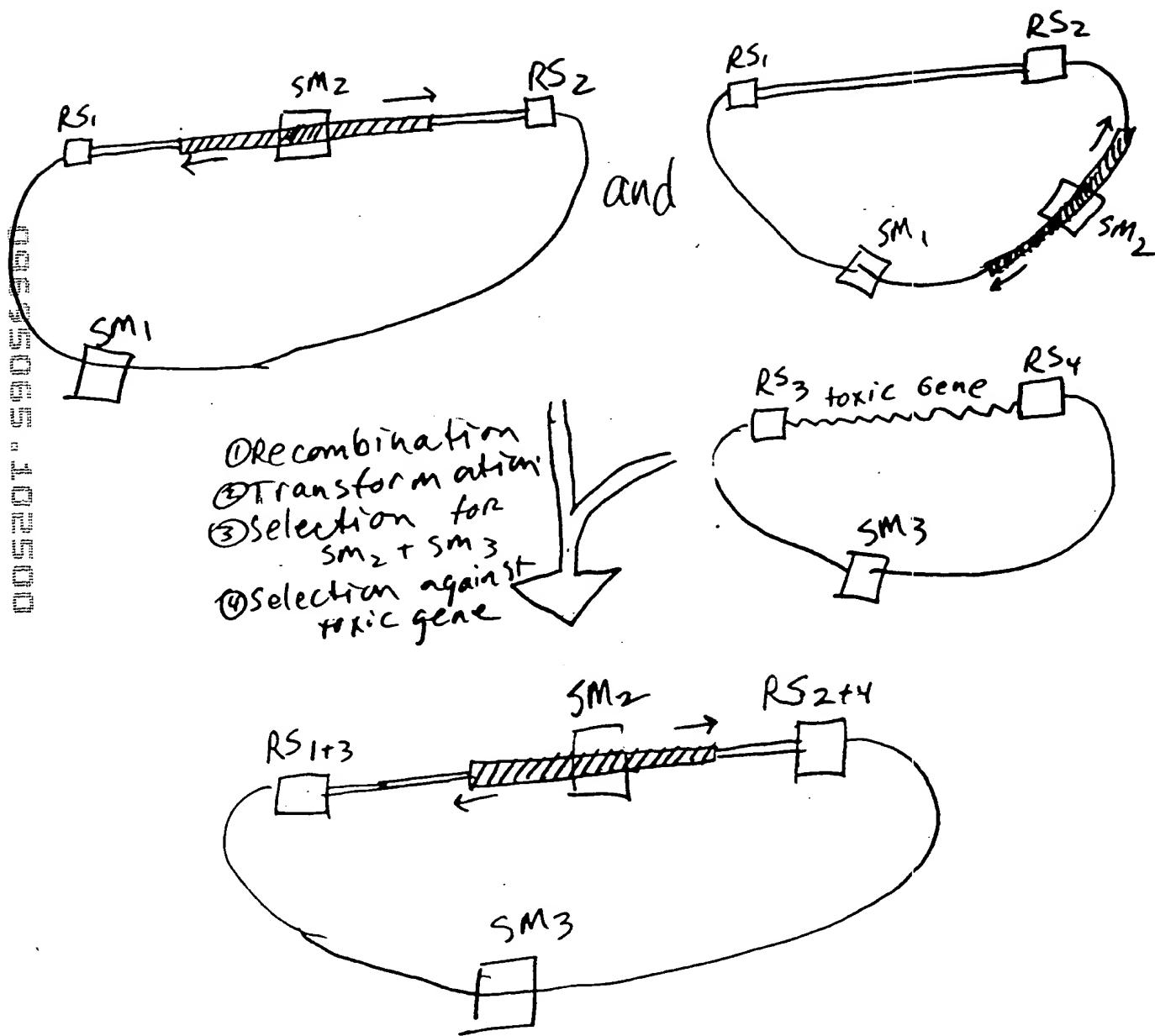


FIGURE 4A

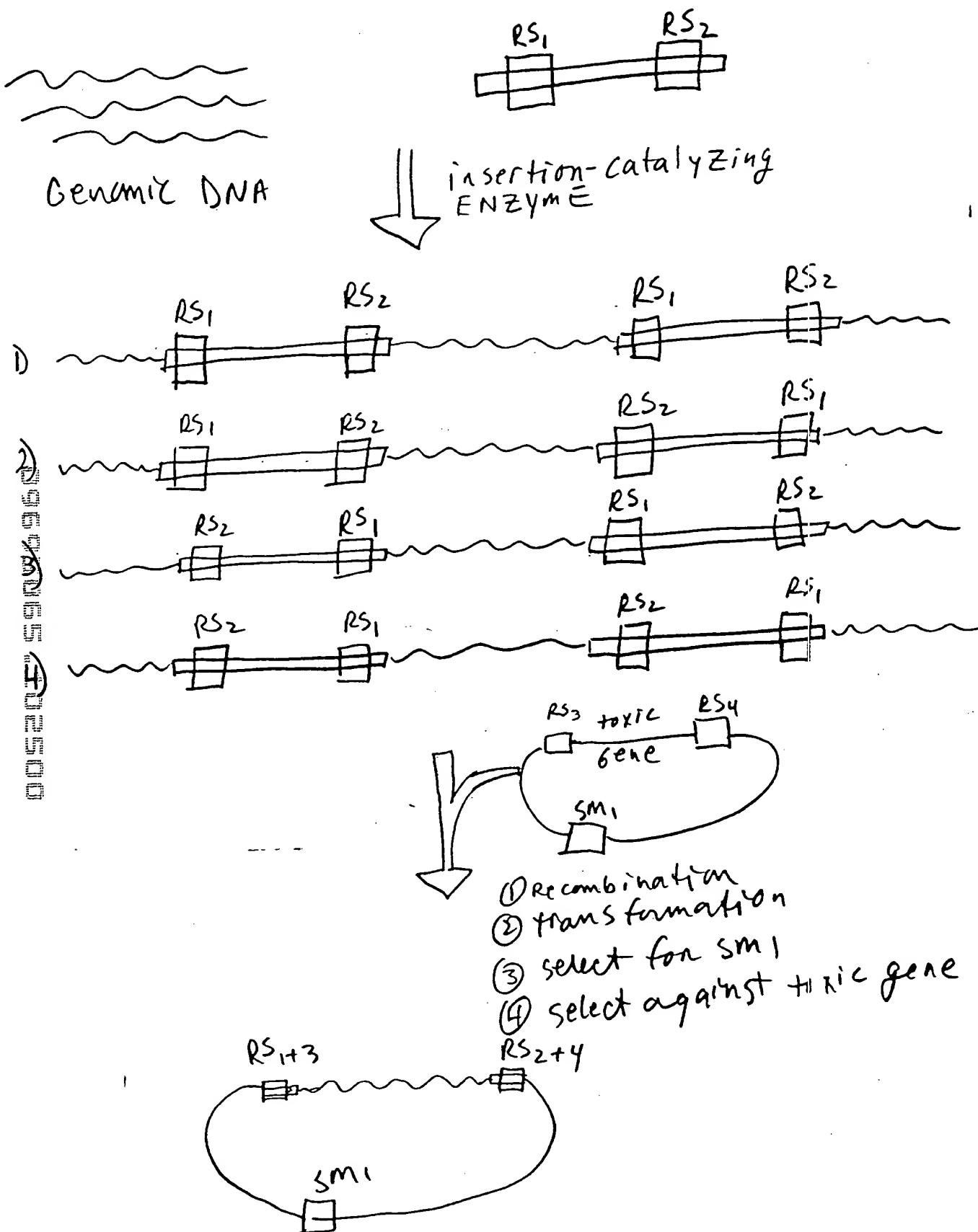
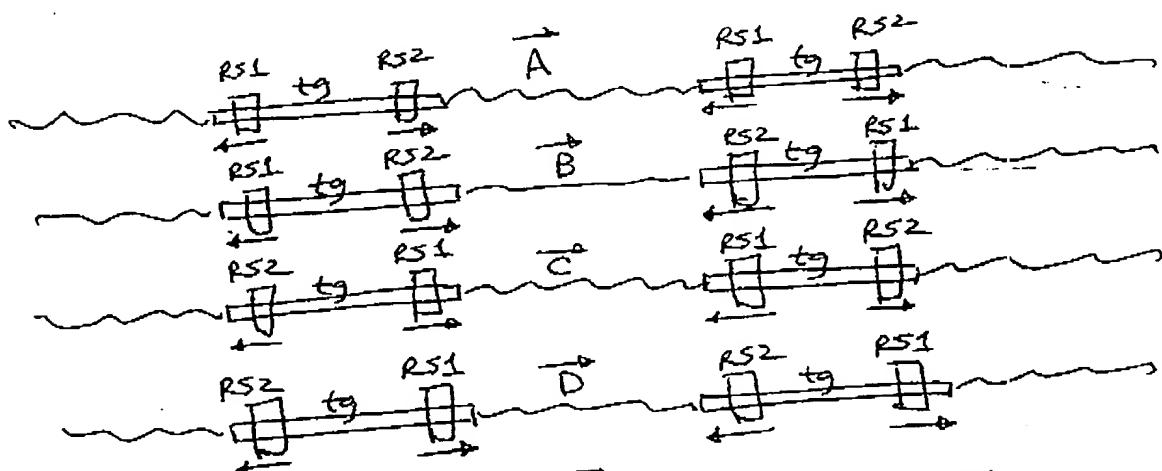
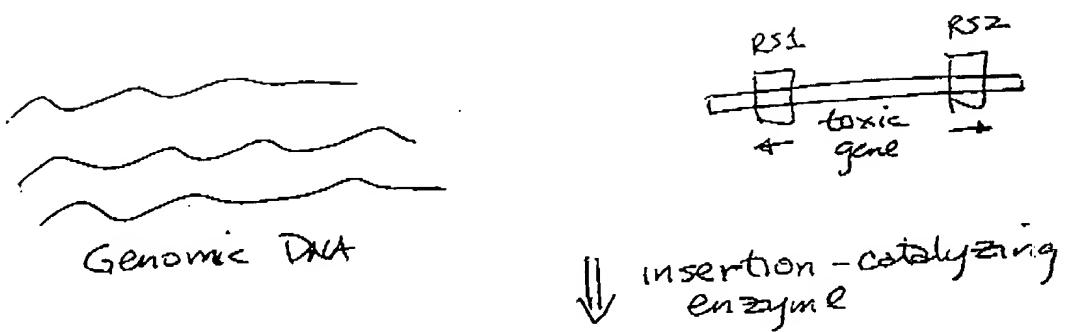


Figure 4B



① Recombination
 ② Transformation
 ③ Select for SM1
 ④ Select against toxic gene

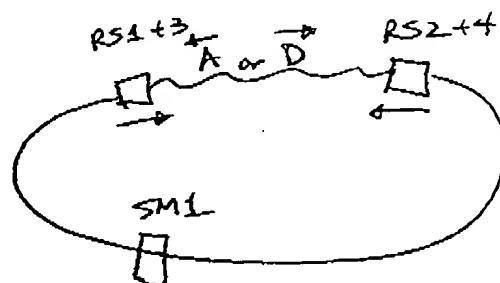
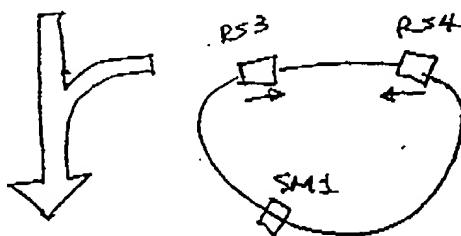


FIGURE 5



FIGURE 6

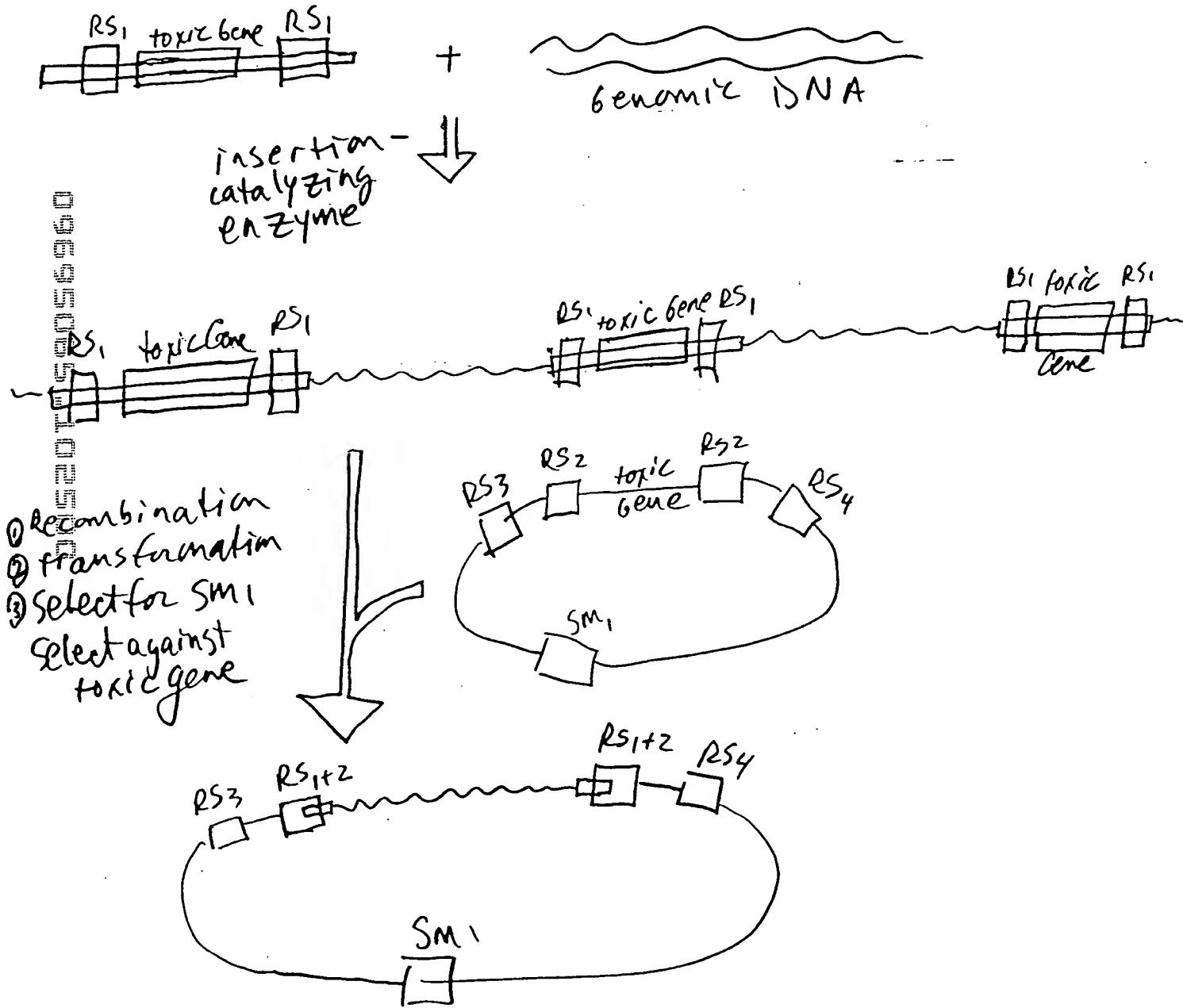
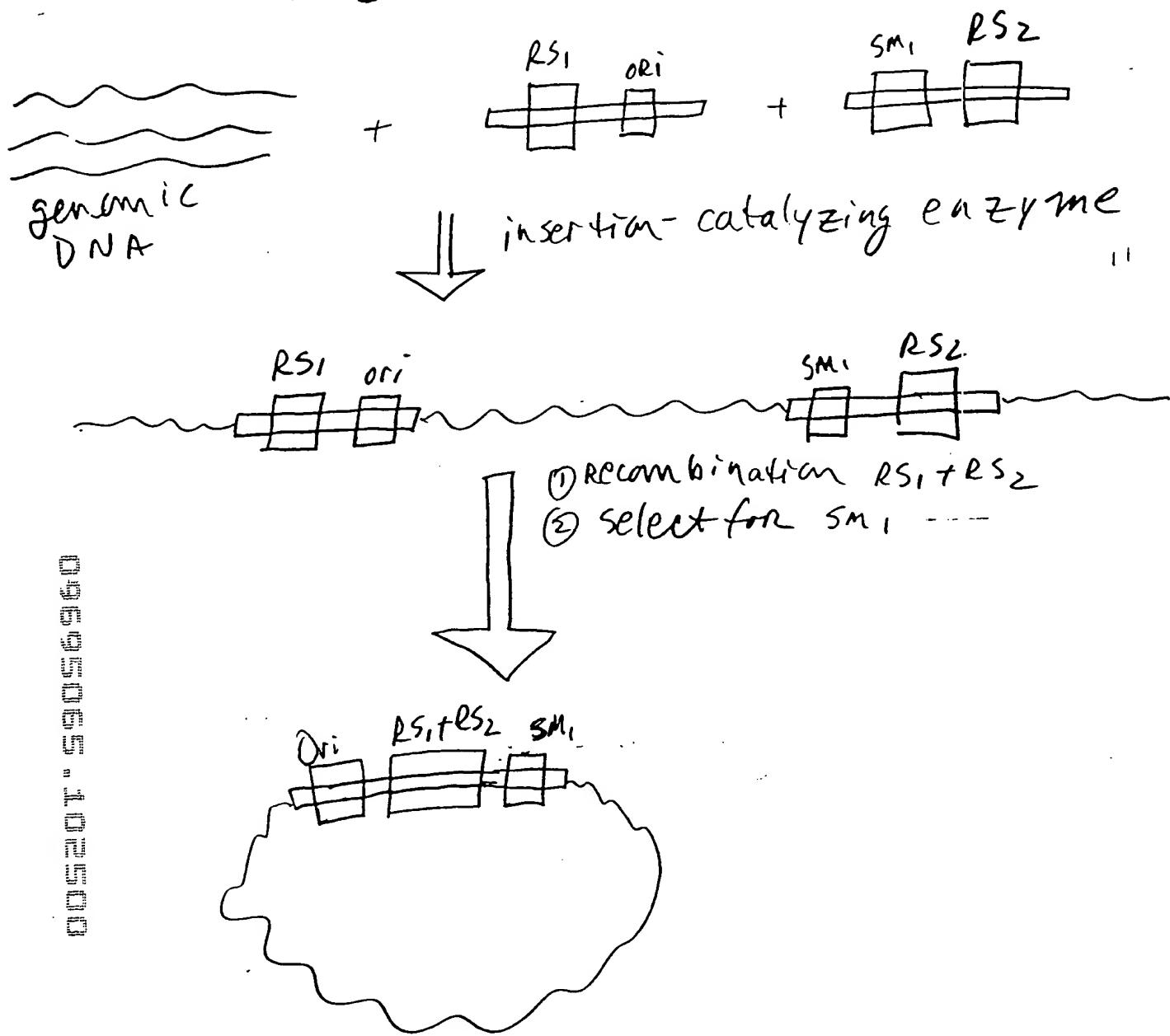
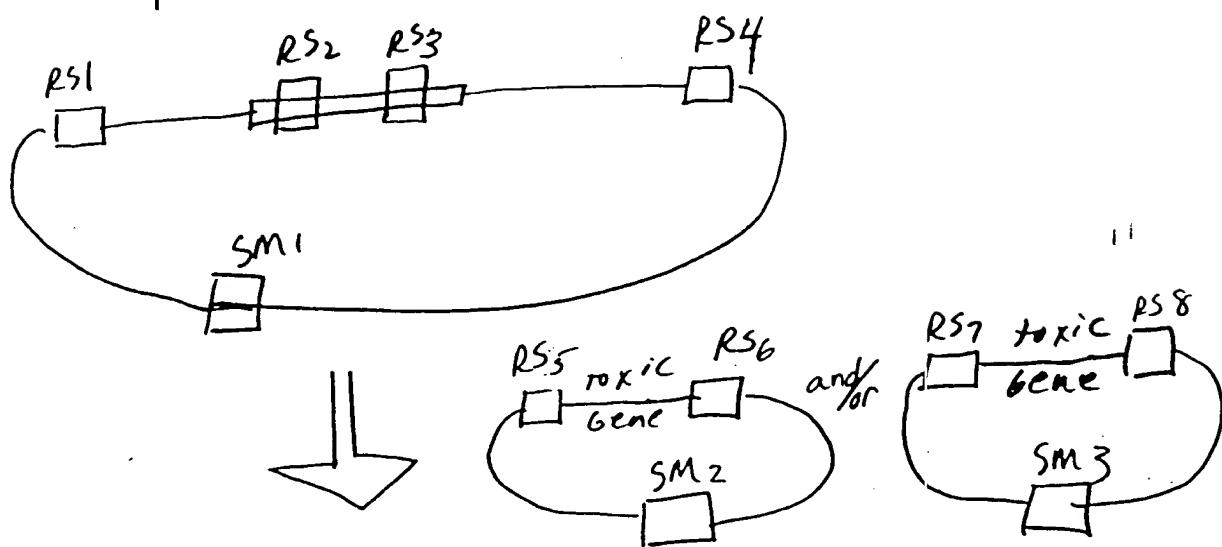


FIGURE 7



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FIGURE 8A



- ① Recombination
- ② transformation
- ③ select against toxic gene

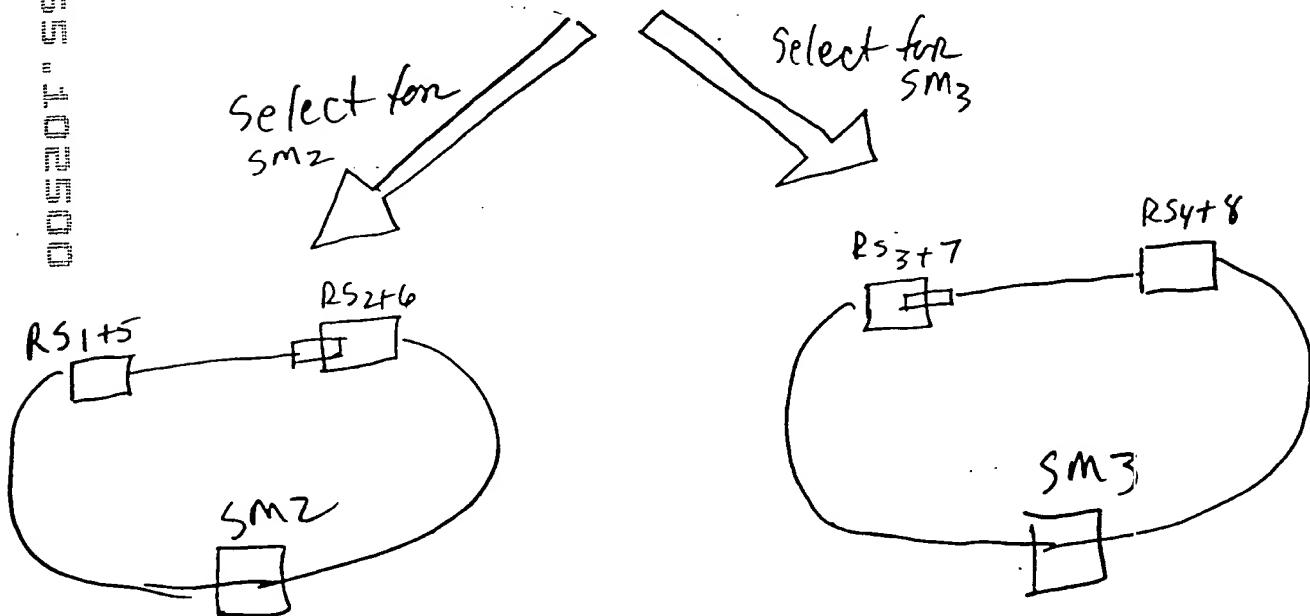


Figure 8B

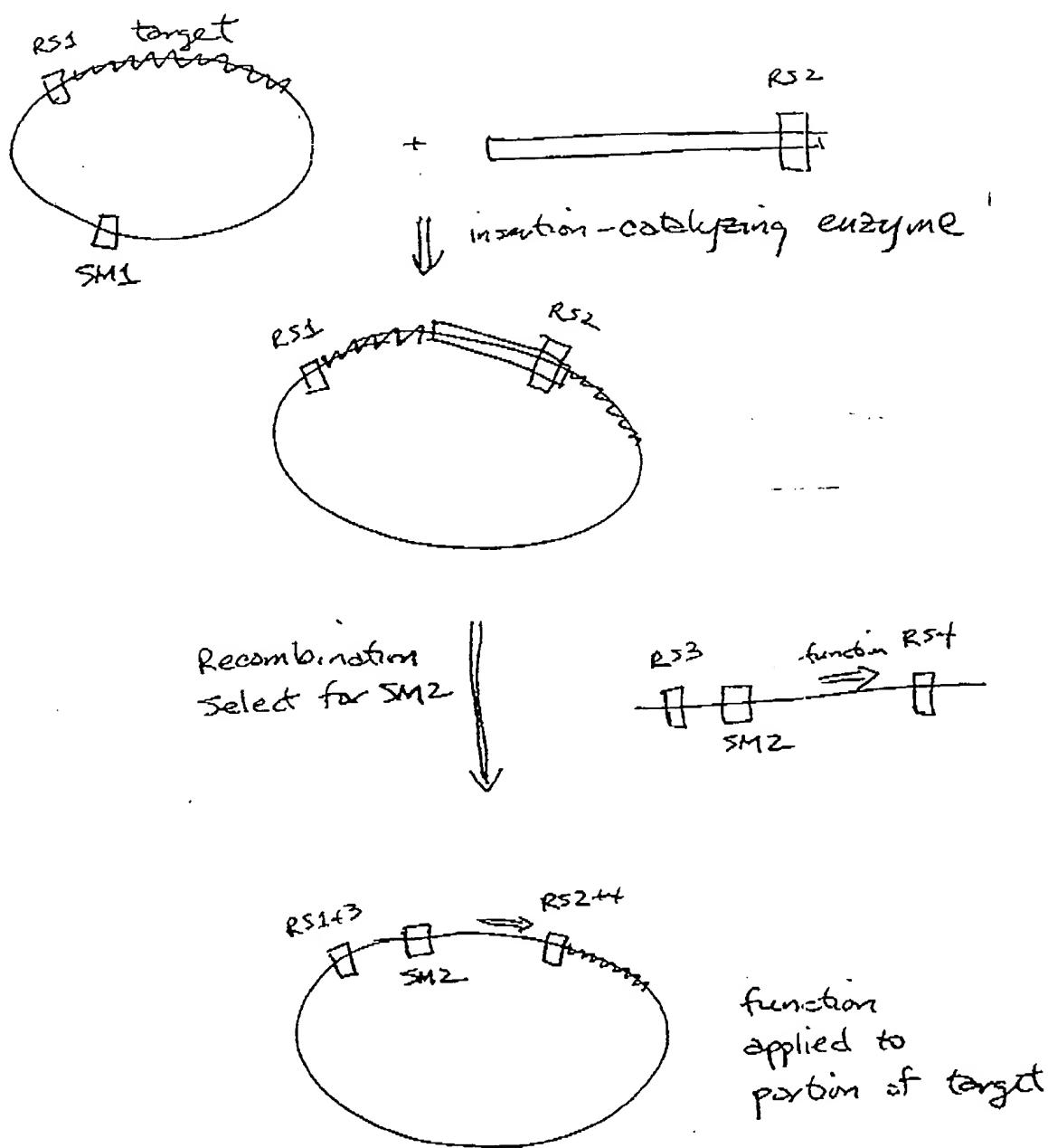
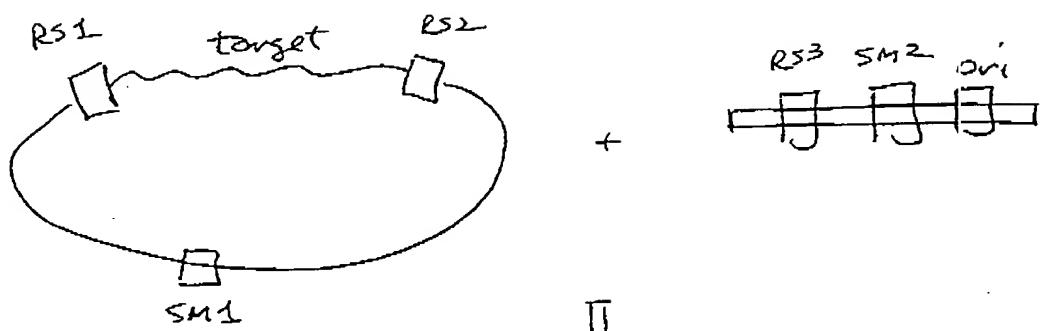
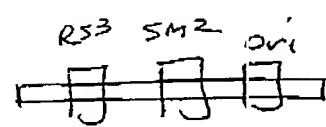


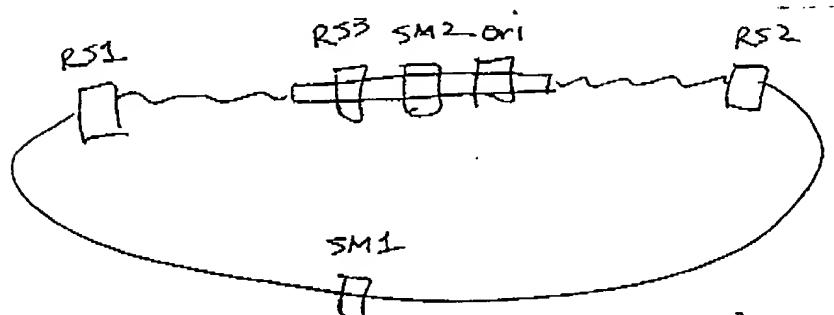
Figure 9



+



insertion catalyzing enzyme



- 1 Recombination RS3 + RS2
- 2 transformation
- 3 Select for SM2
- 4 Screen for absence of SM1

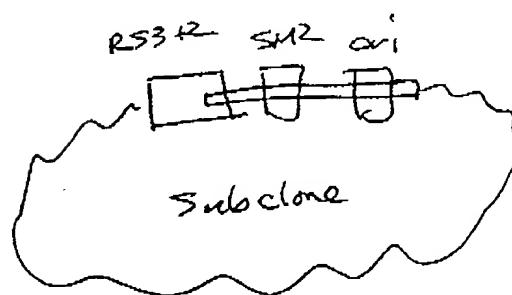
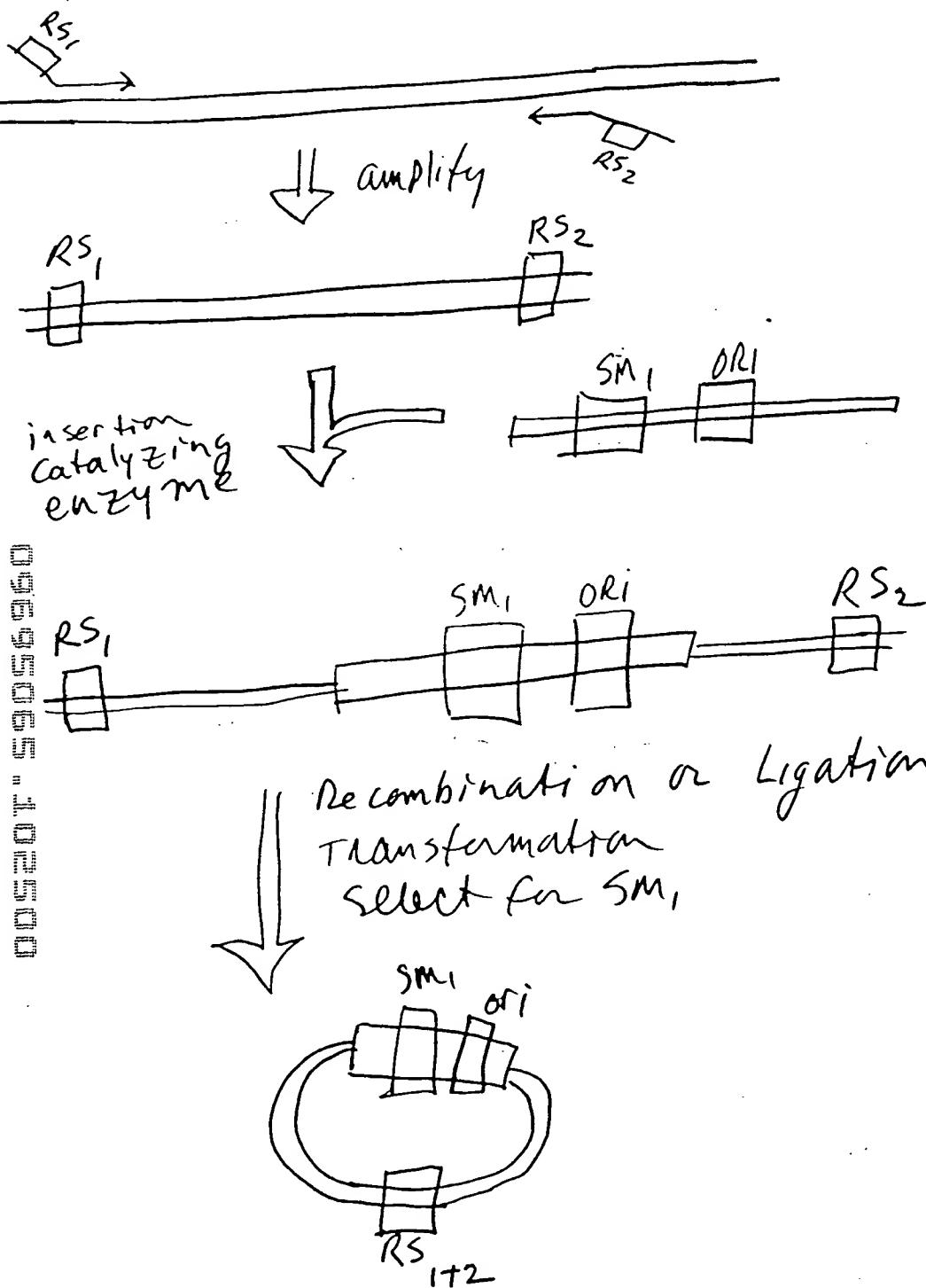
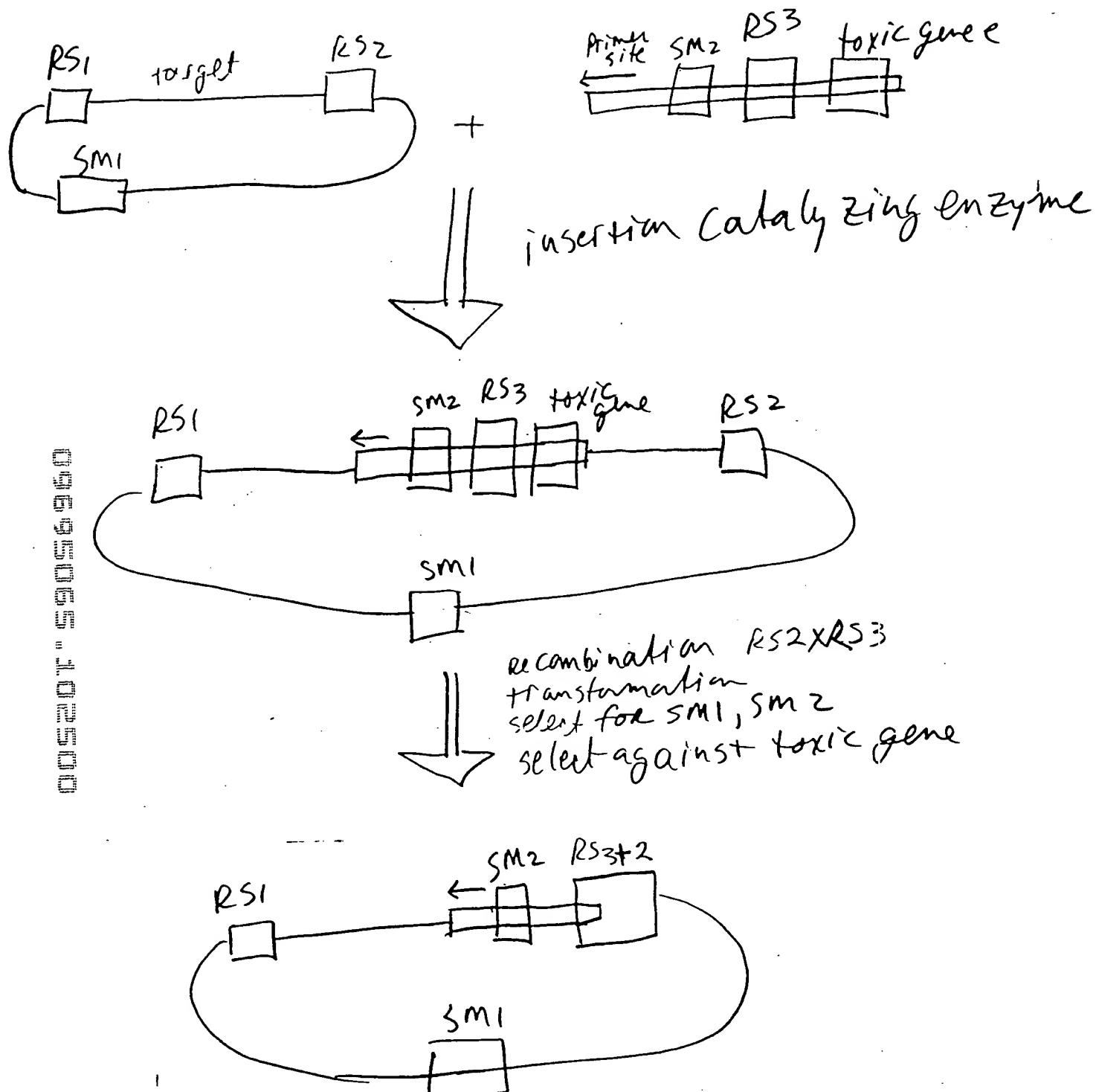


FIGURE 10



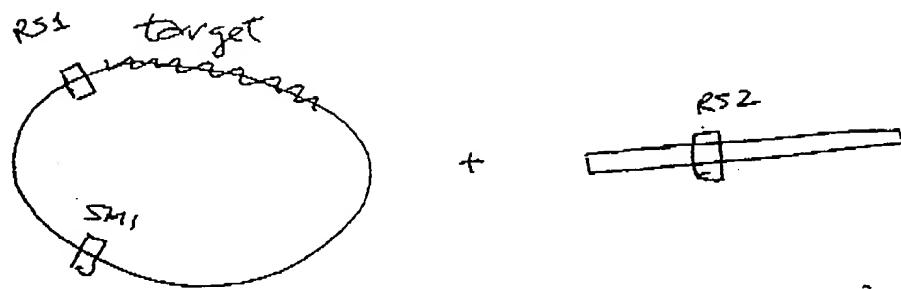
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FIGURE 11

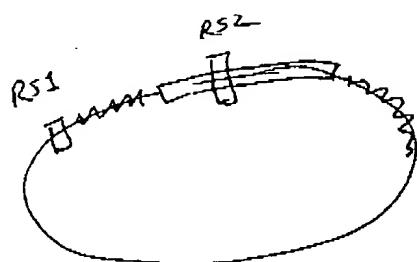


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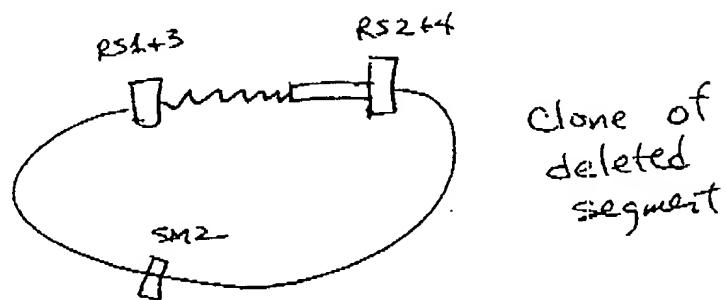
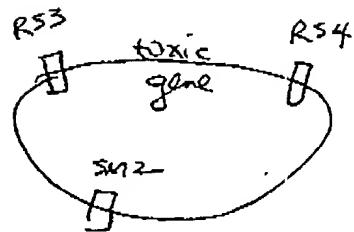
Figure 12



↓ Insertion catalyzing enzyme



Recombination
Transformation
Select for SM2
Select against
toxic gene



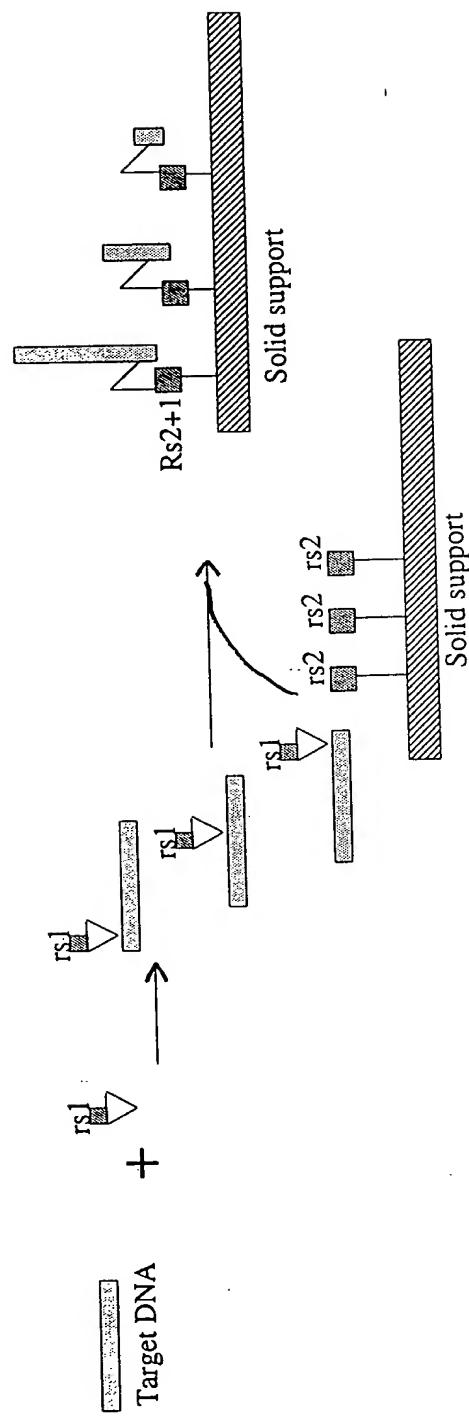


Figure 13